

Errol Cheong

iOS Developer

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Summary

Solution-oriented iOS Developer that enjoys collaborative problem solving and always on a quest for self-improvement. Passionate about technology ignited from programming neuroscience research. Big fan of deployment automation tools like Fastlane. Strives to create highly readable and clean code. When I'm not coding, I twist balloon animals for charity or participate in Hackathons.

Work Experience

iOS Developer

Sep 2018 - Apr 2020

[XapCard Inc.](#)

Developed and maintain code base for the [iOS](#) app. Responsible for architecture and implementation of creating digital cards by creating a Photoshop for business cards. Automated build deployment using fastlane.

iOS Developer

Oct 2017 - May 2018

[Rthm Technologies Inc.](#)

Assist the lead developer in developing [Rthm iOS app](#) in Swift using Realm, MusicKit, and AVFoundation. Develop a website using ReactJS and Express.js with DynamoDB to display a DNA health analysis from a genetic text file. Used Python to convert CSV to JSON data.

Sign and Graphic Technologist

Jan 2016 - Jun 2017

[WJT Distributing Inc.](#)

Material fabrication by laser and router cutting. Prepare client files for production using Adobe Illustrator, Coreldraw, and FlexiSign. Developed macros for Coreldraw using VBA to provide quick analysis of vector shapes.

Wordpress Developer

Jan 2015 - Dec 2017

Freelance

Setup and maintained websites using Wordpress CMS and front-end changes using HTML and CSS to create customized web designs.

Research Programmer

Sep 2012 - Dec 2015

[York University - Centre For Vision Research](#)

Developed visual-motor experiments using InMotion2 Robotic Arm a screen display. Data was sampled at 50hz using the arm was represented by displaying graphics on a screen coded in Tcl/Tk. Analyzed data and created a student lab program with MATLAB.

Education

iOS Development Bootcamp

2017 - 2017

[Lighthouse Labs](#)

Full-time immersive training with 400+ hours of coding. Top iOS project in Aug 2017 Cohort.

B.Sc. - Kinesiology & Health Science & Psychology

2011 - 2015

[York University](#)

Focus of exercise therapy for chronic disease and behaviour therapy.

Accomplishments

Arthritis Hackathon - Champion

Oct 13 - 15, 2017

[Arthritis Society](#)

12 innovative teams competed to come up with solutions to improve quality of life for Arthritis patients. Our team developed an iOS app that allowed patients and volunteers to connect in times of need. Patients and volunteers had real-time tracking of each other's location.

[Hackathon Video](#).

Skills

Languages

Swift, Kotlin, Objective-C, Java, Javascript, MATLAB, Python, Tcl/Tk, VBA, XML, HTML5/CSS3, SASS/SCSS

Frameworks

iOS - RxSwift, CoreData, Realm, PromiseKit, URLSession, CoreAnimation, WatchKit, AVFoundation, SpriteKit, GamePlayKit, MusicKit, XCTest

Android - Retrofit/OkHttp, RxJava, Dagger2, Room

Web - ReactJS, ReactNative, Node.js, Express.js

Databases

Firebase, PostgreSQL, MongoDB, DynamoDB, Blockchain

Others

Fastlane, Git, Vim, Heroku, Auth0, Okta, RestAPIs, Data Analysis, Sketch

Projects

[Decision Board](#)

Board game tool that helps decide who goes first or to divide players into teams. Used CoreAnimation and practiced creating iOS Frameworks.

[SeeFood](#)

Food photo app with tags generated using photo recognition. Stack used are Google Places API, Parse database on Heroku, Facebook API, and Clarifai API.

[CoSurvive](#)

2D Game with the goal to survive attacks from multiple shapes and colours. CoSurvive was built using Objective-C, SpriteKit and GameplayKit.

[Quote Pro](#)

Random image quote generator using 2 APIs. Quotes are saved using Realm. Easy sharing using Facebook, Twitter and Messages.

[VMEC](#)

User interface to create visual experiments using Matlab and Psychtoolbox. It is currently used to teach a 4th year kinesiology lab class at York University.